One Health in Agrifood Systems



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Feeding the world with healthy, safe, and nutritious food for better health outcomes is our challenge!



While **unhealthy and unsafe diets** are linked to at least **8 million deaths** per year. **NCDs kill 41 million people each year**". Globally, o**verweight (including obesity):** about **2.5 billion adults, obesity alone:** over **890 million adults**

AGRICULTURE ALSO NEEDS TO PRODUCE

50% MORE FOOD TO NUTRITIOUSLY

FEED 10 BILLION BY 2025

More than

800 million

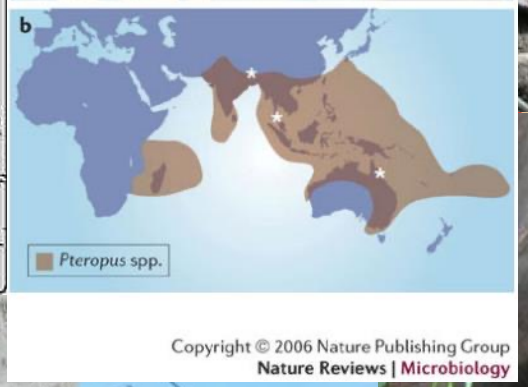
people across the world still **go to bed hungry each night**, stunting the growth of both children and economies.





Illegal wildlife trading





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Social conflict

One Health – Wildlife & Environmental health





Environmental impact from agriculture





Zoonotic disease like Rabies is a classic example of the connection between animal & human health. *One Health concept shifted from theory to action, driven by the spread of H5N1 avian influenza, which showed animal-human interface causing major economic & environmental damage.*













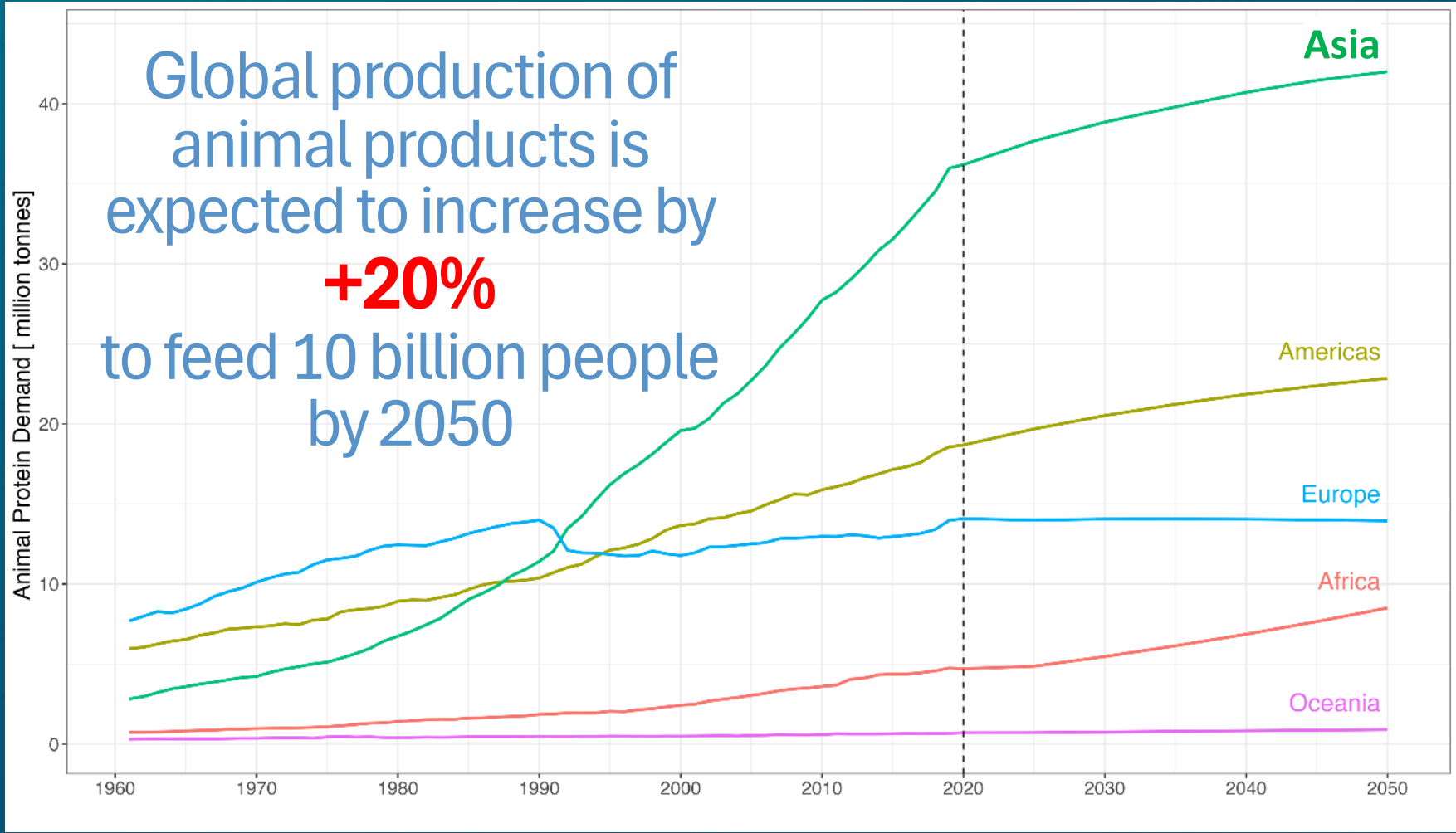








Agriculture and livestock sector in 2050



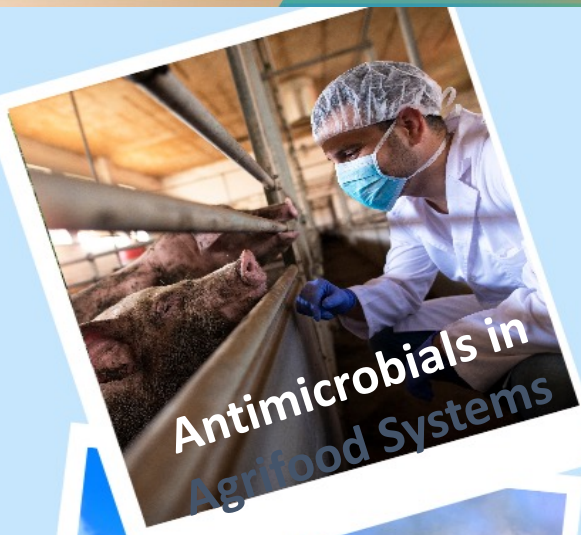


	2030	2050
Cereals	+8%	+20%
Meat	+10%	+24%
Milk	+8%	+17%
Eggs	+6%	+15%
Fish	+6%	+7%
Oil seeds	+13%	+34%

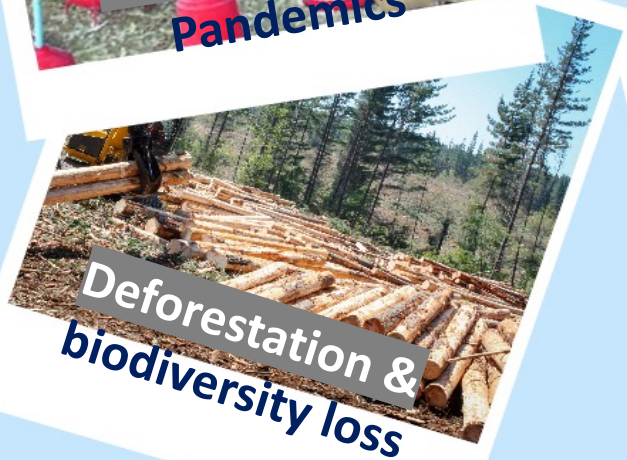

Animal welfare


Animal diseases
Pandemics


Hunger &
malnutrition


Antimicrobials in
Agrifood Systems


Food safety


Deforestation &
biodiversity loss


Soil & water
pollution


GHG emissions







Shift from the overuse and misuse of antimicrobials in agrifood systems *(75% use in animal production, aquaculture, and plant production)* to their prudent, appropriate use through antimicrobial stewardship.

FAO and One Health in Agrifood systems

One Health in Agrifood Systems - An integrated, unifying approach that sustainably balance, promotes and optimizes the health of people, animals, plants, and the environment together, recognizing they are interconnected across all stages of agrifood production, processing, distribution, and consumption.





FAO's projects and activities contributing to One Health

370+ projects

2023–2025

USD **670+** million



One Health in Agrifood Systems Framework

An approach that connects the health of people, animals, plants, and environment for sustainable agrifood systems.

Foundations

- ***Governance***
- ***Coordination***
- ***Collaboration***
- ***Innovate***
- ***Emergency preparedness***
- ***Risk reduction & mitigation***



Example of FAO One Health in Actions: Supporting sustainable agrifood systems with RENOFARM 10-year global initiative

"***Reduce the needs for antimicrobials for sustainable agrifood systems*** (**RENOFARM**)"
and "***International FAO Antimicrobial Resistance Monitoring System*** (**InFARM**)"

- Officially launched by FAO in **April 2024**
- 100 countries to participate in the RENOFARM Initiative
- 50% of animal/plant health workers from participating countries are trained
- 80% of all participating countries contributing AMR surveillance data to '*InFARM' System*
- Countries to achieve their own target





The Pandemic Fund
FOR A RESILIENT WORLD

USD 11.5 billion
total portfolio

128 countries
reached worldwide

67 projects
financed to date

74.2% 95 of 128 countries

73.1% 49 of 67 projects

USD 307 million

95 countries

49 projects

FAO-supported implementation

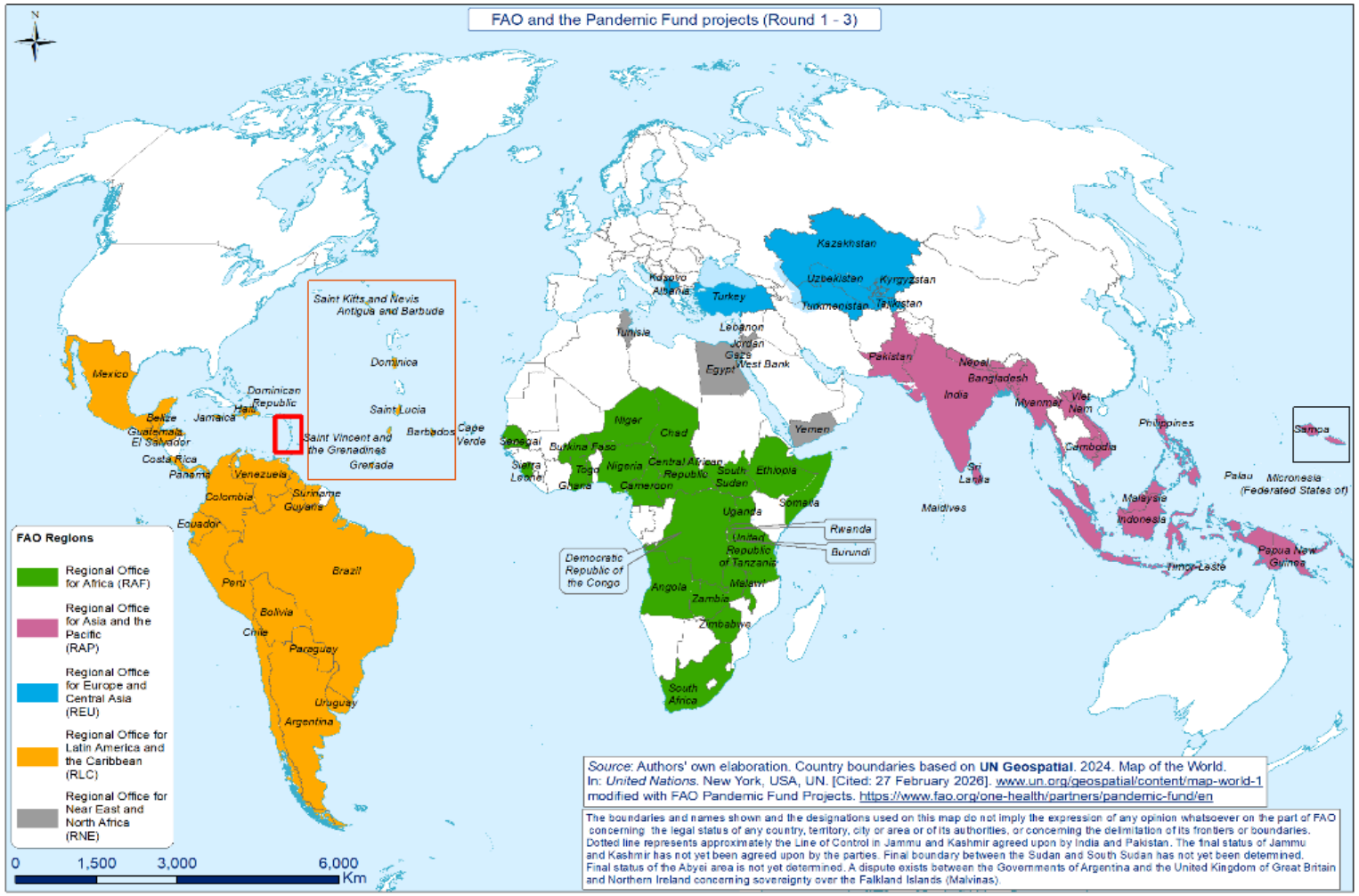
as Co-Implementing Entity

Food and Agriculture Organization of the United Nations



Strengthening Animal Health Systems through Pandemic Fund

Led by Government, FAO is supporting the implementation with other IEs (WHO, UNICEF, WB, ADB, IDB)



49 projects

reaching 95 countries

across 5 regions

USD 307 million of investment

The Pandemic Fund
FOR A RESILIENT WORLD

Current Portfolio: Round 1, 2, and 3

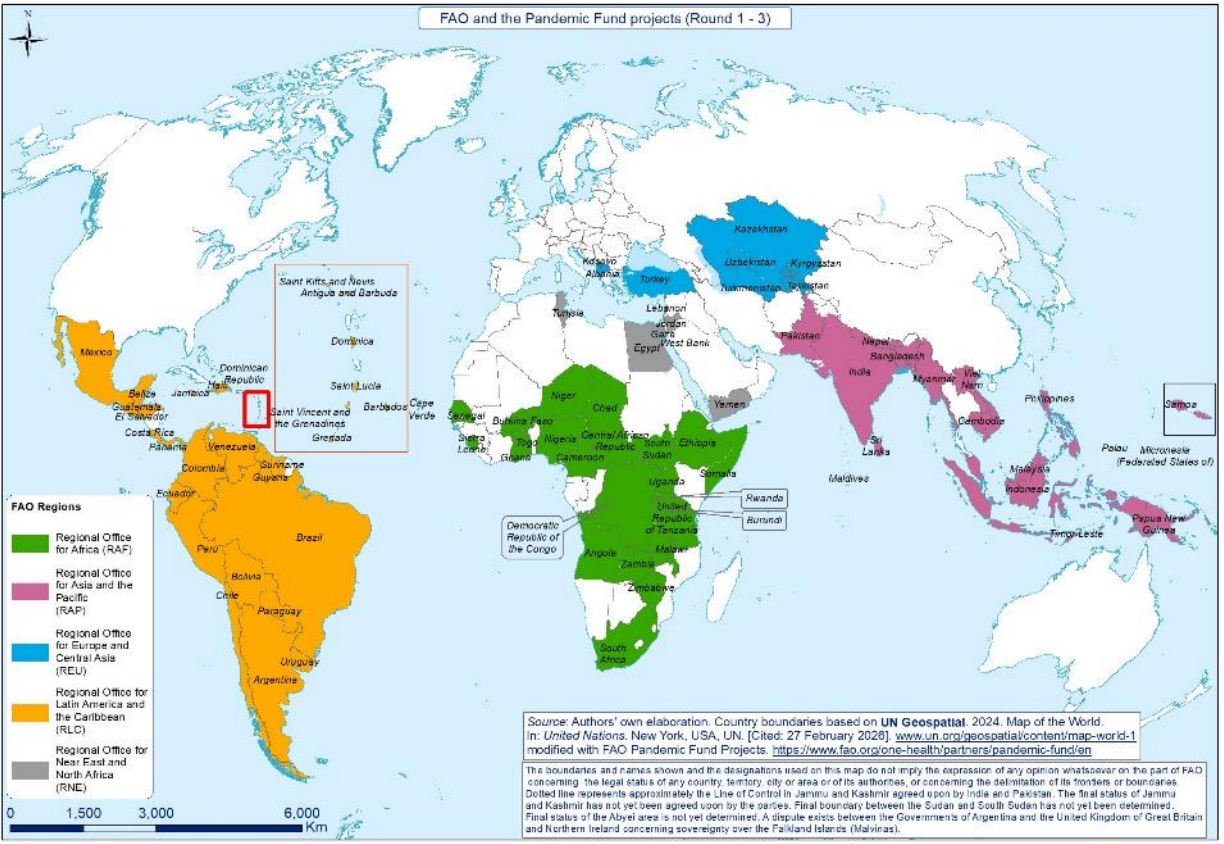
Round 3 Projects

49 Projects

95 Countries

5 Regions

USD 312 million



Region	Countries (71)
RAF	***Single Country:*** Angola, Cameroon, Malawi, Senegal, Somalia, South Sudan, Zimbabwe ***Regional (Africa CDC) - HARMONIZE -*** Ethiopia, Ghana, Rwanda, Zambia, Chad, South Africa, Tanzania, Sierra Leone, Burundi, Cabo Verde, Togo, Burkina Faso ***Regional (AU-IBAR) - SCOPE -*** Chad, Niger, Nigeria, Cameroon, CAR
RAP	***Single Country:*** Bangladesh, Lao PDR, Papua New Guinea ***Multi-country Western Pacific:*** Kiribati, Lao PDR, Malaysia, Marshall Islands, Micronesia, Fed. Sts., Nauru, Palau, Papua New Guinea, Philippines, Tonga, Tuvalu, Vietnam
RLC	***Regional - PIVOT: Latin America and Caribbean:*** Mexico, Antigua and Barbuda, Barbados, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Bolivia, Colombia, Ecuador, Peru, Venezuela, Argentina, Brazil, Chile, Paraguay, Uruguay.
REU	***Single Country:*** Tajikistan, Turkiye ***Multi-country MAKE-Ready:*** Albania, Kosovo, North Macedonia

Response and action-oriented partnerships

Emergency Management Center for Animal Health (EMC-AH+)

Rapid Response. Real Impact.



Expert missions across the globe to provide critical outbreak support



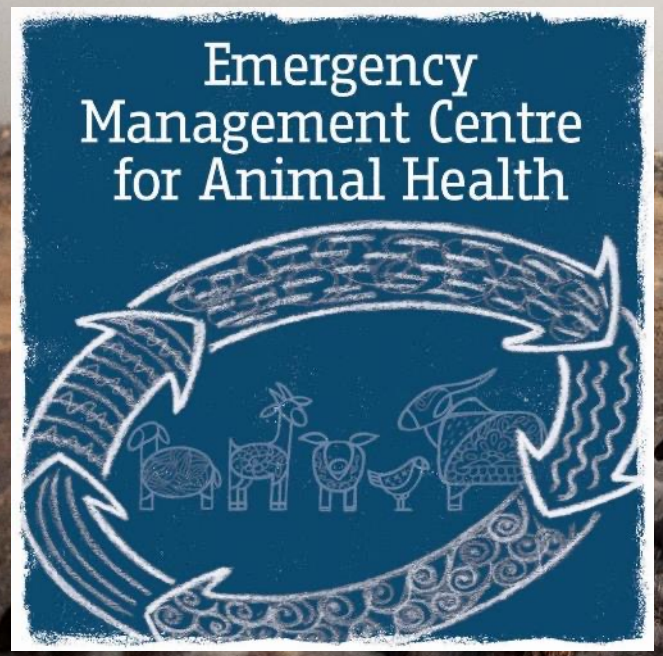
RAPID RESPONSE

Expert registries and after-action reviews for swift, coordinated action.



Partnering with veterinarians, government and the private sector to lead the transformation of the livestock sector

FAO hosts the biggest animal health emergency management system



- **140+** Global response missions
- **2 000+** Professionals trained on GEMP
- **Strategic ICG activations** addressing complex emergencies
- **80+** Countries self-evaluated using the PPEP tool
- **15 000+** Enrolled in the online GEMP training

“One Health” became widely known. Working together across sectors – Challenges remain

- ✓ **Limited legislation or legal authority** to effectively control infectious zoonotic diseases, AMR, chemical residues, other complex issues
- ✓ **Insufficient financial and human resources** to address complex health threats
- ✓ **Sharing resources across sectors** can help tackle complex and interconnected health challenges
- ✓ **Building trust between sectors** is essential for effective collaboration, coordination, and communication
- ✓ **Sharing knowledge, data, information, and expertise** improves prevention, detection, and response to health threats



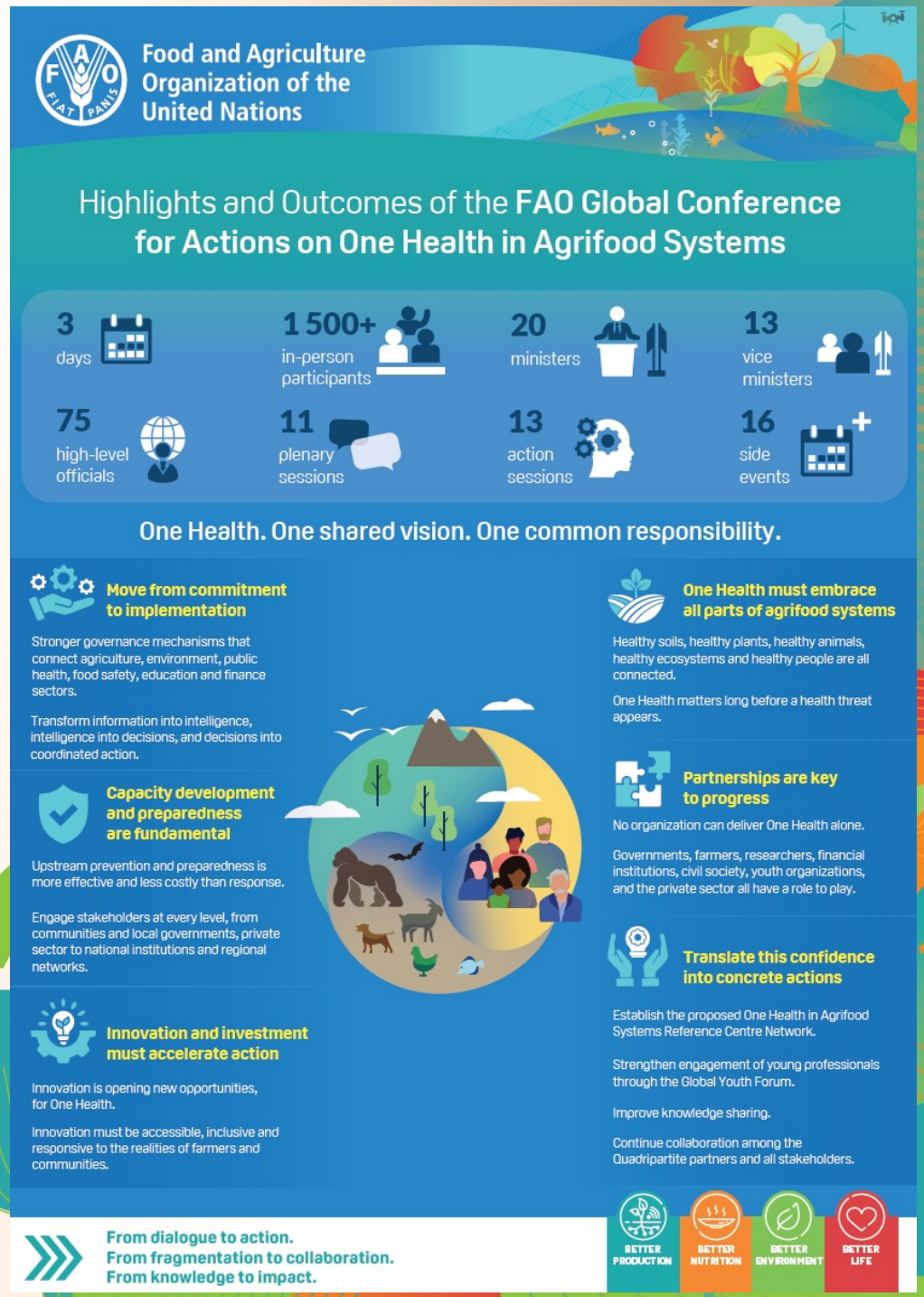


Global Conference for Actions on One Health in Agrifood Systems

FAO, Rome, Italy | 21-23 September 2026

FAO Global Conference for Actions on One Health in Agrifood Systems (21-23 September 2026)

- 3,028 participants registered
- 1500+ participants
- Over 20 ministers and 13 vice-ministers attended
- 16 side events by external partners
- 13 Action sessions
- 11 Plenary sessions
- 218 speakers and panelists (not including ministers)



VIDEO

https://www.youtube.com/watch?v=hRhkiZu85Y0&t=147s



One Health in Agrifood Systems

“Overall Health for Everyone”

